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INDEX TO AMERICAN BOTANICAL LITERATURE

(1904)

The aim of this Index is to include all current botanical literature written by Americans, published in America, or based upon American material; the word America being used in its broadest sense.

Reviews, and papers which relate exclusively to forestry, agriculture, horticulture, manufactured products of vegetable origin, or laboratory methods are not included, and no attempt is made to index the literature of bacteriology. An occasional exception is made in favor of some paper appearing in an American periodical which is devoted wholly to botany. Reprints are not mentioned unless they differ from the original in some important particular. If users of the Index will call the attention of the editor to errors or omission their kindness will be appreciated.

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Arechavaleta, J. Nueva contribución al conocimiento de la flora del Uruguay. Anal. Mus. Nac. Montevideo II. 1: 4-16. pl. 1-8. 1904.

Descriptions of new species in *Eupatorium*, *Mikania*, *Senecio*, *Mutisia*, *Chaptalia*, and *Trixis* (2).

Autran, E. Note sur le Caá-éhé. Revista Farmac. 44: 70-74, 105-111. 1904.

With a reprint of the original description of this plant, *Eupatorium Rebaudianum* M. S. Bertoni, Revista Agron. Asunción, 1899.

Autran, E. Sur le *Tropaeolum patagonicum* Speg. Revista Farmac. 44: 37-41. 1904.

Beal, W. J. Michigan flora: a list of the fern and seed plants growing without cultivation. Rep. Mich. Acad. Sci. 5: (1-147). 1904.

Berger, A. *Echinocereus acifer* Lemaire. Gard. Chron. III. 36: 245. f. 100. 10 1904.
Native of Mexico.

Berger, A. *Opuntia stenopetala* Eng. Monats. Kakteenk. 14: 171, 172. f. 1, 2. 15 N 1904.

Brown, N. E. *Anthurium pendulifolium*. Gard. Chron. III. 36: 362. 26 N 1904.

A new species, supposed to be native of Colombia.

- Cockerell, T. D. A.** Botanical nomenclature. *Nature* 70: 318, 319. 4 Au 1904.
- Cockerell, T. D. A.** The roses of Pecos, New Mexico. *Proc. Acad. Nat. Sci. Phila.* 56: 108-112. 2 Mr 1904; 113-118. 7 Mr 1904.
- Cogniaux, A.** *Orchidaceae*—VIII. *Flora Bras.* 126: 1-202. *pl.* 1-42. 15 F 1904.
The beginning of the third volume devoted to *Orchidaceae*. There are new species in *Maxillaria* (2), *Ornithidium*, *Warmingia*, *Notylia* (3), and *Centroglossa*.
- Cufino, L.** *Pugillus cryptogamarum canadensium*. *Malpighia* 18: 559-562. 1904.
- Daguillon, A. & Coupin, H.** Observations sur la structure des glandes pétiolaires d'*Hevea brasiliensis*. *Rev. Gén. Bot.* 16: 81-90. *f.* 13-15. 15 Mr 1904.
- Dammer, U.** The species of *Chamaedorea* with simple leaves. *Gard. Chron.* III. 36: 202. 17 S 1904; 245, 246. 1 O 1904.
With descriptions of 6 new species, natives of Mexico, Costa Rica, and Peru.
- Dams, E.** *Echinocactus cataphractus* n. sp. *Monats. Kakteenk.* 14: 172, 173. 15 N 1904.
Probably native of Paraguay.
- Dams, E.** *Echinocactus Wislizeni* Eng. *Monats. Kakteenk.* 14: 184, 185. 15 D 1904. [Illust.]
- Dams, E.** Formen des *Echinocactus capricornus* Dietr. *Monats. Kakteenk.* 14: 183, 184. 15 D 1904. [Illust.]
- Dams, E.** Eine Sammelreise in Arizona. *Monats. Kakteenk.* 14: 179-182. 15 D 1904.
- Dominguez, J. A.** Note sur deux gommes de la République Argentine. *Revista Farmac.* 44: 5-11, 35-37. 1904.
- Drummond, A. T.** Origin of plants common to Europe and America. *Nature* 70: 55. 19 My 1904.
- Harshberger, J. W.** The comparative age of the different floristic elements of eastern North America. *Proc. Acad. Nat. Sci. Phila.* 56: 601-615. 19 O 1904.
- Hartman, E.** *Cereus Weingartianus*. *Monats. Kakteenk.* 14: 155. 15 O 1904. [Illust.]
A new species, native of Haiti.
- Hicken, C. M.** Doctor Rodulfo Amando Philippi: breves apuntes biográficos. *Anal. Soc. Cient. Argent.* 58: 145-151. *portrait.* O 1904.
- Keller, I. A.** Summer activity of some spring flowers. *Proc. Acad. Nat. Sci. Phila.* 56: 481-483. 23 Jl 1904.

- Kremers, E.** The study of phytochemistry. *Pharm. Rev.* **22**: 394-396. O 1904; 462-466. D 1904.
- Lloyd, C. G.** Mycological notes. **16**: 157-172. Mr 1904; **17**: 173-188. *f.* 71-77. Je 1904; **18**: 189-204. *pl.* 17-24 + *f.* 78-82. J1 1904.
- Lloyd, J. U.** The founding of the Lloyd Library. *Pharm. Rev.* **22**: 357-361. O 1904.
- McFarland, J. H.** Getting acquainted with the trees. i-xi. 1-241. New York, [Ap] 1904. [Illust.]
- Metcalf, M. M.** An outline of organic evolution. i-xxii. 1-204. *pl.* 1-101 + *f.* 1-46. New York, 1904.
- Niles, G. G.** Bog-trotting for orchids. i-xvi. 1-310. New York, [Ap] 1904. [Illust.]
- Pennington, M. S.** Medicina popular en las islas del Delta del Rio Paraná. 1-11. Buenos Aires, 1904.
- Rick, J.** Fungos do Rio Grande do Sul (Brazil). *Brotéria* **3**: 276-293. 1904.
Includes descriptions of 4 new species in as many genera.
- Robertson, A.** Spore-formation in *Torreya californica*. *New Phytol.* **3**: 133-148. *pl.* 3, 4. 27 J1 1904.
- Robertson, A.** Studies in the morphology of *Torreya californica* Torrey. II. The sexual organs and fertilization. *New Phytol.* **3**: 205-216. *pl.* 7-9. 20 D 1904.
- Rolfe, R. A.** *Cochlioda brasiliensis*. *Gard. Chron.* III. **36**: 141. 27 Au 1904.
A new species, native of Brazil.
- Schaffner, J. H., Jennings, O. E., & Tyler, F. J.** Ecological study of Brush Lake. *Proc. Ohio Acad. Sci.* **4**: 151-165. *f.* 1, 2. 1 D 1904.
- Seaver, F. J.** The *Discomycetes* of eastern Iowa. *Bull. Lab. Nat. Hist. State Univ. Iowa* **5**: 230-297. *pl.* 1-25. N 1904.
- Shaw, G. R.** The pines of Cuba. [1-3.] [1904.] [Illust.]
Reprinted, with changes, from *Gard. Chron.* III. **35**: 179, 180.
- Shaw, G. R.** The pines of western Cuba. *Gard. Chron.* III. **36**: 98. 6 Au 1904.
- Shaw, G. R.** The pines of western Cuba. [1-3.] [1904.]
Reprinted, with additional note, from *Gard. Chron.* III. **36**: 98.
- Shaw, G. R.** *Pinus leiophylla*. *Gard. Chron.* III. **36**: 175. *f.* 69. 3 S 1904.
Native of Mexico.

- Shaw, G. R.** *Pinus Nelsoni*. Gard. Chron. III. 36: 122. f. 49.
20 Au 1904.
A new species, native of Mexico.
- Shimek, B.** The flora of the St. Peter sandstone in Winnishiek County, Iowa. Bull. Lab. Nat. Hist. State Univ. Iowa 5: 225-229. N 1904.
- Sprague, T. A.** The cultivated species of *Manettia*. Gard. Chron. III. 36: 384, 385. f. 169. 3 D 1904.
Includes a description of *M. inflata* sp. nov., native of Brazil.
- Sprague, T. A.** *Lobelia heterodonta*. Gard. Chron. III. 36: 252, 253. 8 O 1904.
A new species, native of Grenada, West Indies.
- Urbina, M.** Plantas comestibles de los antiguos Mexicanos. Anal. Mus. Nac. Mexico II. 1: 503-591. 1904.
- Weingart, W.** *Cereus Kunthianus* Otto. Monats. Kakteenk. 14: 147-150. 15 O 1904.
- Weingart, W.** *Peireskia undulata* Lém. Monats. Kakteenk. 14: 187-189. 15 D 1904.
- Wenzell, W. T.** On "abietene." Pharm. Rev. 22: 408-414. N 1904. [Illust.]
- Wildeman, E. de.** *Stelis Binoti*. Gard. Chron. III. 36: 381. 3 D 1904.
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